ノ634

RAW SEQUENCE LISTING   DATE: 08/08/2002
PATENT APPLICATION: US/09/516,444A   TIME: 12:03:45

Input Set : A:\5995USP2.txt
Output Set: N:\CRF4\08082002\I516444A.raw

```
 4 <110> APPLICANT: Abbott Laboratories
 5        Billing-Medel, Patricia A.
 6        Cohen, Maurice
 7        Colpitts, Tracey L.
 8        Friedman, Paula N.
 9        Gordon, Julian
10        Granados, Edward N.
11        Hodges, Steven C.
12        Klass, Michael R.
13        Kratochvil, Jon D.
14        Roberts-Rapp, Lisa
15        Russell, John C.
16        Stroupe, Stephen D.
18 <120> TITLE OF INVENTION: Reagents And Method Useful For Detecting
19        Diseases Of The Breast
22 <130> FILE REFERENCE: 5995.US.P2
24 <140> CURRENT APPLICATION NUMBER: 09/516,444A
25 <141> CURRENT FILING DATE: 2000-02-29
27 <150> PRIOR APPLICATION NUMBER: US 08/962,094
28 <151> PRIOR FILING DATE: 1997-10-31
30 <150> PRIOR APPLICATION NUMBER: US 08/742,067
31 <151> PRIOR FILING DATE: 1996-10-31
33 <160> NUMBER OF SEQ ID NOS: 39
35 <170> SOFTWARE: FastSEQ for Windows Version 4.0
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 201
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: EST Clone 1662885
W--> 45 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (26)...(26)
47 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
48        position 26
W--> 50 <221> misc_feature
51 <222> LOCATION: (98)...(98)
52 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
53        position 98
W--> 55 <221> misc_feature
56 <222> LOCATION: (133)...(133)
57 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
58        position 133
W--> 60 <221> misc_feature
```

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       61 <222> LOCATION: (145)...(145)
       62 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
       63       position 145
W--> 65 <221> misc_feature
       66 <222> LOCATION: (183)...(183)
       67 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
       68       position 183
W--> 70 <400> 1
W--> 71 ctcttaggct ttgaagcatt tttgtntgtg ctccctgatc ttcatgtcac caccatgaag 60
W--> 72 ttcttagcag tcctggtact cttgggagtt tccatctntc tggtctctgc ccagaatccg 120
W--> 73 acaacagctg ctncagctga cacgnatcca gctactggtc ctgctgatga tgaagcccct 180
W--> 74 gangctgaaa ccactgctgc t                                           201
       76 <210> SEQ ID NO: 2
       77 <211> LENGTH: 308
       78 <212> TYPE: DNA
       79 <213> ORGANISM: Homo sapiens
       81 <400> SEQUENCE: 2
       82 taggctttga agcatttttg tctgtgctcc ctgatcttca ggtcaccacc atgaagttct 60
       83 tagcagtcct ggtactcttg ggagtttcca tctttctggt ctctgcccag aatccgacaa 120
       84 cagctgctcc agctgacacg tatccagcta ctggtcctgc tgatgatgaa gcccctgatg 180
       85 ctgaaaccac tgctgctgca accactgcga ccactgctgc tcctaccact gcaaccaccg 240
       86 ctgcttctac cactgctcgt aaagacattc cagttttacc caaatgggtt ggggatcttc 300
       87 cgaatggt                                                        308
       89 <210> SEQ ID NO: 3
       90 <211> LENGTH: 292
       91 <212> TYPE: DNA
       92 <213> ORGANISM: Artificial Sequence
       94 <220> FEATURE:
       95 <223> OTHER INFORMATION: EST Clone 901429
W--> 97 <221> NAME/KEY: misc_feature
       98 <222> LOCATION: (236)...(236)
       99 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
      100       position 236
W--> 102 <221> misc_feature
      103 <222> LOCATION: (259)...(259)
      104 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown or other at
      105       position 259
W--> 107 <400> 3
      108 gcattttgt ctgtgctccc tgatcttcat gtcaccacca tgaagttctt agcagtcctg 60
      109 gtactcttgg gagtttccat ctttctggtc tctgcccaga atccgacaac agctgctcca 120
      110 gctgacacgt atccagctac tggtcctgct gatgatgaag ccctgatgc tgaaaccact 180
W--> 111 gctgctgcaa ccactgcgac cactgctgct cctaccactg caaccaccgc tgcttntacc 240
W--> 112 actgctcgta aagacattnc agttttaccc aaatgggttg gggatctccc ga           292
      114 <210> SEQ ID NO: 4
      115 <211> LENGTH: 197
      116 <212> TYPE: DNA
      117 <213> ORGANISM: Homo sapiens
      119 <400> SEQUENCE: 4
      120 gttttaccca aatgggttgg ggatctcccg aatggtagag tgtgtccctg agatggaatc 60
```

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```
121 agcttgagtc ttctgcaatt ggtcacaact attcatgctt cctgtgattt catccaacta 120
122 cttaccttgc ctacgatatc ccctttatct ctaatcagtt tattttcttt caaataaaaa 180
123 ataactatga gcaacat                                                 197
125 <210> SEQ ID NO: 5
126 <211> LENGTH: 472
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
130 <400> SEQUENCE: 5
131 ctcttaggct ttgaagcatt tttgtctgtg ctccctgatc ttcatgtcac caccatgaag 60
132 ttcttagcag tcctggtact cttgggagtt tccatctttc tggtctctgc ccagaatccg 120
133 acaacagctg ctccagctga cacgtatcca gctactggtc ctgctgatga tgaagcccct 180
134 gatgctgaaa ccactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc 240
135 accgctgctt ctaccactgc tcgtaaagac attccagttt acccaaatg ggttgggggat 300
136 ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattggtc 360
137 acaactattc atgcttcctg tgatttcatc caactactta ccttgcctac gatatcccct 420
138 ttatctctaa tcagtttatt ttctttcaaa taaaaaataa ctatgagcaa ca        472
140 <210> SEQ ID NO: 6
141 <211> LENGTH: 473
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 6
146 ctcttaggct ttgaagcatt tttgtctgtg ctccctgatc ttcatgtcac caccatgaag 60
147 ttcttagcag tcctggtact cttgggagtt tccatctttc tggtctctgc ccagaatccg 120
148 acaacagctg ctccagctga cacgtatcca gctactggtc ctgctgatga tgaagcccct 180
149 gatgctgaaa ccactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc 240
150 accgctgctt ctaccactgc tcgtaaagac attccagttt acccaaatg ggttgggggat 300
151 ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattggtc 360
152 acaactattc atgcttcctg tgatttcatc caactactta ccttgcctac gatatcccct 420
153 ttatctctaa tcagtttatt ttctttcaaa taaaaaataa ctatgagcaa cat       473
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 68
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Restriction site
163 <400> SEQUENCE: 7
164 agctcggaat ccgagcttg gatcctctag agcggccgcc gactagtgag ctcgtcgacc 60
165 cgggaatt                                                          68
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 68
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Restriction site
175 <400> SEQUENCE: 8
176 aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg 60
177 gaattccg                                                          68
179 <210> SEQ ID NO: 9
180 <211> LENGTH: 24
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PATENT APPLICATION: US/09/516,444A TIME: 12:03:45

Input Set : A:\5995USP2.txt
Output Set: N:\CRF4\08082002\I516444A.raw

```
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Universal Primer
187 <400> SEQUENCE: 9
188 agcggataac aatttcacac agga                                  24
190 <210> SEQ ID NO: 10
191 <211> LENGTH: 18
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Universal Primer
198 <400> SEQUENCE: 10
199 tgtaaaacga cggccagt                                         18
201 <210> SEQ ID NO: 11
202 <211> LENGTH: 20
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Primer
209 <400> SEQUENCE: 11
210 actgctcgta aagacattcc                                       20
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 19
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Primer
220 <400> SEQUENCE: 12
221 gggacacact ctaccattc                                        19
223 <210> SEQ ID NO: 13
224 <211> LENGTH: 20
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Sense Primer
231 <400> SEQUENCE: 13
232 aagcccctga tgctgaaacc                                       20
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 23
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Antisense Primer
242 <400> SEQUENCE: 14
243 tgcagaagac tcaagctgat tcc                                   23
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 20
247 <212> TYPE: DNA
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/516,444A

DATE: 08/08/2002
TIME: 12:03:45

Input Set : A:\5995USP2.txt
Output Set: N:\CRF4\08082002\I516444A.raw

```
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Target-Specific Forward Primer
253 <400> SEQUENCE: 15
254 aagcccctga tgctgaaacc                                          20
256 <210> SEQ ID NO: 16
257 <211> LENGTH: 23
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Target-Specific Reverse Primer
264 <400> SEQUENCE: 16
265 tgcagaagac tcaagctgat tcc                                      23
267 <210> SEQ ID NO: 17
268 <211> LENGTH: 15
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Probe
275 <400> SEQUENCE: 17
276 gaccactgct gctcc                                               15
278 <210> SEQ ID NO: 18
279 <211> LENGTH: 20
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Sense Primer
286 <400> SEQUENCE: 18
287 actgctcgta aagacattcc                                          20
289 <210> SEQ ID NO: 19
290 <211> LENGTH: 19
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Antisense Primer
297 <400> SEQUENCE: 19
298 gggacacact ctaccattc                                           19
300 <210> SEQ ID NO: 20
301 <211> LENGTH: 90
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 20
306 Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
307 1               5                   10                  15
308 Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
309             20                  25                  30
310 Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
311         35                  40                  45
312 Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
```

VERIFICATION SUMMARY   DATE: 08/08/2002
PATENT APPLICATION: **US/09/516,444A**   TIME: 12:03:46

Input Set : **A:\5995USP2.txt**
Output Set: **N:\CRF4\08082002\I516444A.raw**

```
L:45 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:50 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:55 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:60 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:65 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:70 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
L:97 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:102 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
```

US 095164440DP1

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Team: OIPEBackFileIndexing
Dossier: 09516444

Legal Date: 10-02-2003

No.	Doccode	Number of pages
1	CTRS	6
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Remarks:

Order of re-scan issued on ....